

FY-2001 PROPOSED SCOPE OF WORK for:
Facilities Mgmt. Options Division 5 (AKA Coordinated Facilities)

Project #: CAP-25

Lead Agency: Colorado Water Conservation Board

Submitted by: Randy Seaholm
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Category:	Expected Funding Source:
<input checked="" type="checkbox"/> Ongoing project	<input type="checkbox"/> Annual funds
<input type="checkbox"/> Ongoing-revised project	<input checked="" type="checkbox"/> Capital funds
<input type="checkbox"/> Requested new project	<input type="checkbox"/> Other (in-kind services)
<input type="checkbox"/> Unsolicited proposal	

I. Title of Proposal:

Facilities Mgmt. Options Division 5 (AKA Coordinated Facilities)

II. Relationship to RIPRAP:

Colorado River Action Plan: Mainstem
I.A.5.i. Coordinated Reservoir Operations

III. Study Background/Rationale and Hypotheses:

The 15-Mile Reach of the Colorado River between Palisade, Colorado, and the confluence of the Colorado and Gunnison Rivers at Grand Junction is important habitat for the endangered Colorado River Squawfish and Razorback Sucker. Recovery of these fish in the upper Colorado River is expected to require improvement of existing habitat conditions. The Colorado Water Conservation Board (CWCB) in cooperation with participants in Upper Colorado River Endangered Fish Recovery has retained McLaughlin Water Engineers to provide professional services to conduct a water availability study to benefit endangered fish through coordination of various facility operations.

IV. Study Goals, Objectives, End Product:

The primary purposes of this study are to define options for enhancing peak flows in the 15-Mile Reach, identify impediments to delivery of the higher peak flows, and define solutions for any impediments to the delivery of the higher peak flows while keeping in focus the primary use of the associated facility. A secondary study purpose is to identify options for providing flow enhancements during the late summer/early fall (July 15 – October 31) for the benefit of the endangered fish. The consultant will include an assessment of any legal, physical, institutional, environmental, recreational, operational, or political constraints as well as the risk of adversely impacting water yield of implementing each option. The consultant will provide suggested solutions, including costs, to overcome the physical, environmental, institutional, operational, and recreational constraints. It will not be the responsibility of the consultant to suggest solutions for any legal or political constraints identified in the assessment.

V. Study Area:

The geographical area includes the Colorado River Basin above the confluence of the Gunnison and Colorado Rivers, and is designated Water Division No. 5 by the State of Colorado State Engineer for water rights administration purposes.

VI. Study Methods/Approach:

The study will involve four broad areas of review:
Temporary use of capacity within existing storage/diversion facilities,
The ability to operate power facilities differently for the benefit of the fish,
Enlargement of existing facilities or construction of new facilities,
Purchase of existing storage facilities.

The "Volume Goal" for the study is to develop an additional 20,000 acre-feet of yield on an average annual basis for the benefit of the endangered fish (in years when the peak spring flow is forecast to be 12,900 – 26,600 cfs).

The study is managed by an Executive Committee consisting of:
Colorado Water Conservation Board (one representative)
U.S. Bureau of Reclamation (one representative)
U.S. Fish and Wildlife Service (one representative)
Water User Community (one west slope representative and one east slope representative)
Environmental Community (one representative)

The Executive Committee is chaired by the representative from the Colorado Water Conservation Board who serves as the primary point of contact with the contractor. The Executive Committee approves all work performed by the contractor, issues instructions to the contractor, and approves all payments to the contractor.

VII. Task Description and Schedule:

Phase II of this study includes 13 separate tasks. The task descriptions as detailed by the consultant are attached.

VIII. FY 2001 Work:

Phase I of this study (identification and preliminary review of alternatives) is complete. The majority of the Phase II tasks (detailed investigation of selected alternatives) will be completed during FY 2000.

The FY 2001 deliverables and their due dates are:
Draft Phase 2 Report October 27, 2000
Final Phase 2 Report December 29, 2000

The study should be completed by December 31, 2000.

IX. Budget Summary:

The budget for the Coordinated Facilities study is \$395,000 for the entire study (April 1999 through December 2000). The funding is provided by the Recovery Program Capital Costs funds. Any additional monies which may be required as a result of unforeseen tasks or changes to the Scope will need to be approved by the Executive Committee and the Recovery Program Management Committee.

Total Costs: \$395,000
FY-2001: \$118,000

X. Reviewers:
Not Applicable

XI. References:
Not Applicable